

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1 (Currently Amended): A coronary artery curing ~~An elongated and flexible~~
~~medical~~ guide wire to be inserted into a tubular balloon catheter comprising:

a front end having a front catheter engagement portion that is provisionally
connected to a front end of the balloon catheter as a provisionally connecting means,
~~wherein~~ the front catheter engagement portion is formed from a mirror-finished barrel
~~shaped~~ portion, and the provisionally connected balloon catheter is inserted into a
coronary artery blood vessel concurrently with the ~~medical~~ guide wire, ~~into said blood~~
~~vessel~~

wherein the mirror-finished barrel portion is formed by providing a soldering
portion integrally fixed in one piece on a helical spring portion of the guide wire and a
core inserted into the guide wire; and

a front end of the balloon catheter is diametrically smaller than a maximum
diameter of the mirror-finished barrel portion, and elastically deform to be diametrically
greater than a tube portion of the balloon catheter so as to be a flared end portion when
the mirror-finished barrel portion engages with the front end of the balloon catheter in
accompany with provisionally connecting the balloon catheter.

Claim 2 (Cancelled).

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Claim 3 (Previously Presented): The medical guide wire according to claim 1, wherein said mirror-finished shape of said front catheter engagement portion is cut at its outer surface.

Claims 4-12 (Canceled)

Claim 13 (New) The coronary artery curing guide wire according to claim 1, wherein both lengthwise sides of the mirror-finished barrel portion form parallel flat sections.

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